# Project

* Site-11-Api-Ng-reactiveforms-reusable-input-validators
  + Copied from: Site-10-Api-Ng-upload-photos-cloudinary
* For the “MySocialConnect-API”
  + dotnet restore
  + dotnet build
  + Go to project : MSC.WebApi
    - dotnet build : to build
    - dotnet run : to run the api

# New Resources

|  |  |
| --- | --- |
| MSC.Core | MSC.WebApi |
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|  |  |
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# Resources updated

|  |  |
| --- | --- |
| MSC.Core | MSC.WebApi |
| MSC.Core/Dtos/UserRegisterDto.cs |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

# Clear Database

Clear the users

dotnet ef database drop

dotnet ef database update

# MSC.Core/Dtos

## UserRegisterDto.cs

Add the additional properties for register dto.

using System;

using System.ComponentModel.DataAnnotations;

namespace MSC.Core.Dtos;

public class UserRegisterDto

{

    [Required(ErrorMessage = "UserName is empty")]

    [MinLength(5, ErrorMessage = "UserName length must be atleast 5 chars")]

    [RegularExpression("^[a-zA-Z][A-Za-z0-9]+(?:[\_-][A-Za-z0-9]+)\*$", ErrorMessage = "User name must be alpha numeric with \_ - only. Number cannot be a the start. \_- should only be in the middle")]

    public string UserName { get; set; }

    /\*

    ^(?=.\*?[A-Z])(?=.\*?[a-z])(?=.\*?\d)(?=.\*?[@#$&()<>]).{8,}$

    (?=.\*?[A-Z]): Requires at least one uppercase letter.

    (?=.\*?[a-z]): Requires at least one lowercase letter.

    (?=.\*?\d): Requires at least one digit (number)

    (?=.\*?[@#$&()<>]): Requires at least one special character from the set @#$&()<>

    .{8,}: Ensures a minimum length of 8 characters (note used)

    \*/

    [Required(ErrorMessage = "Password is empty")]

    [StringLength(16, MinimumLength = 10)]

    //[RegularExpression("^(?=.\*?[A-Z])(?=.\*?[a-z])(?=.\*?\\d)(?=.\*?[@#$&()<>]).+$", ErrorMessage = "Password must have an upper case, a lower case, a number and one special character from the set @#$&()<>")]

    //not working[RegularExpression(@"^(?=.\*[0-9])(?=.\*[a-z])(?=.\*[A-Z])(?=.\*W)(?!.\* ).{10,16}$", ErrorMessage = "Password must have an upper case, a lower case, a number and one special character")]

    [RegularExpression(@"^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*\d)(?=.\*[-+\_!@#$%^&\*.,?]).{10,16}$", ErrorMessage = "Password must have an upper case, a lower case, a number and one special character -+\_!@#$%^&\*.,?")]

    public string Password { get; set; }

    [Required(ErrorMessage = "Gender is empty")]

    public string Gender { get; set; }

    [Required(ErrorMessage = "DisplayName is empty")]

    [MinLength(5, ErrorMessage = "DisplayName length must be atleast 5 chars")]

    [RegularExpression(@"^[a-zA-z0-9]\*$", ErrorMessage = "Display name can only be alpha numeric")]

    public string DisplayName { get; set; }

    [Required(ErrorMessage = "DateOfBirth is empty")]

    public DateOnly? DateOfBirth { get; set; } //optional to make required work

    [Required(ErrorMessage = "City is empty")]

    //[RegularExpression("^[a-zA-z]\*$", ErrorMessage = "Only characters are allowed for the city")]

    [RegularExpression("^[a-zA-z ]\*$", ErrorMessage = "Only characters and space are allowed for the city")]

    public string City { get; set; }

    [Required(ErrorMessage = "Country is empty")]

    //[RegularExpression("^[a-zA-z]\*$", ErrorMessage = "Only characters are allowed for the country")]

    [RegularExpression("^[a-zA-z ]\*$", ErrorMessage = "Only characters and space are allowed for the country")]

    public string Country { get; set; }

}

# Postman

Load collection “Postman\_collection.json” from root and check folder Site-11